

**This Page Is Inserted by IFW Operations
and is not a part of the Official Record**

BEST AVAILABLE IMAGES

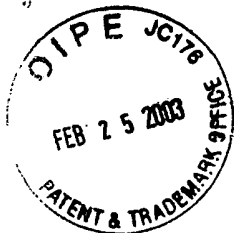
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- **BLACK BORDERS**
- **TEXT CUT OFF AT TOP, BOTTOM OR SIDES**
- **FADED TEXT**
- **ILLEGIBLE TEXT**
- **SKEWED/SLANTED IMAGES**
- **COLORED PHOTOS**
- **BLACK OR VERY BLACK AND WHITE DARK PHOTOS**
- **GRAY SCALE DOCUMENTS**

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



AMENDMENTS TO THE CLAIMS

✓ Please cancel claims 13-16, and please amend claims 1, 7-10, 12, 17, and 18 to read as follows: ✓ ✓ ✓

A' 1. (once amended) A lamp comprising:
an LED module including at least one LED arranged on a substrate;
an optical system including at least one lens in optical communication with the LED module; and
a zoom apparatus that selectively adjusts the relative axial separation of the optical system and the LED module.

7. (once amended) The lamp as set forth in claim 1, wherein the zoom apparatus comprises:
a first sleeve having the LED module disposed thereon; and
a second sleeve slidably connected with the first sleeve, the second sleeve further having the optical system disposed thereon.

A2 8. (once amended) The lamp as set forth in claim 7, wherein the zoom apparatus further comprises:
a mechanical interlock between the first and the second sleeves that prevents relative rotation therebetween.

9. (once amended) The lamp as set forth in claim 8, wherein the mechanical interlock comprises:
a protrusion on one of the first and the second sleeves, the protrusion being aligned parallel to the optical axis; and
a groove on one of the first and the second sleeves that receives the protrusion to prevent relative rotation of the first and the second sleeves.

10. (once amended) The lamp as set forth in claim 7, further comprising:

A2
cont.

a stop that relatively biases the first and the second sleeves into one or more selectable relative axial stop positions.

A3

12. (once amended) A light source comprising:
an LED module including a plurality of LED's rigidly mounted on a first sleeve; and

an adaptive optical system including a plurality of lenses corresponding to the plurality of LED's, the adaptive optical system rigidly mounted on a second sleeve;

the first and second sleeves movably connected by one of an axially sliding connection and a threaded connection, relative movement of the sleeves producing relative axial movement of the LED module and the adaptive optical system.

A4

17. (once amended) A lamp comprising:
a plurality of light sources;
an optical system including a plurality of lenses in optical communication with the light sources; and
a zoom apparatus that selectively adjusts a relative axial separation of the optical system and the light sources.

18. (once amended) The lamp as set forth in claim 17, wherein the zoom apparatus comprises:

one of:

two slidably interconnected sleeves, and

two threadedly interconnected sleeves,

the first sleeve having the light sources arranged thereon, and
the second sleeve having the optical system arranged thereon.
